

# Table Of Contents

<b>Introduction.....</b>	<b>5</b>
About This Book.....	5
Source Code.....	6
Editor and Tech Reviewers.....	7
About Myself.....	7
Contact Information.....	8
<b>Table of Contents.....</b>	<b>9</b>
<b>Chapter 1: Delphi XE IDE.....</b>	<b>13</b>
Managing Projects.....	14
Build Groups.....	15
The Configuration Manager.....	16
Build Tools Customization.....	17
Extensions to Searching.....	18
Search For Usages.....	18
Local Search Short Cut Keys.....	19
Editor.....	20
New Live Templates.....	20
XMLDoc Comments and Help Insight.....	22
Navigating Modified Code.....	23
Source Code Formatting.....	24
Formatter Profiles.....	25

## 10 - Table of Contents

Other Changes in Formatting.....	26
Form Designer.....	26
Updated Wizards.....	28
Install Component Wizard.....	28
Web Server Application.....	29
The Debugger.....	30
Named Threads.....	30
Run Without Debugging.....	30
More Debugger Features.....	31
<b>Chapter 2: Integrated Tooling.....</b>	<b>33</b>
Version Control Integration.....	34
Version Control Systems.....	34
Subversion.....	36
Subversion in Delphi.....	41
Beyond Compare Integration.....	43
The Updated History View.....	44
Version Insight and Its Extensions.....	46
UML Modeling.....	47
Classic Live Diagrams: Packages and Classes.....	47
Ancestor Classes in Class Diagrams.....	48
Sequence Diagrams.....	49
Audits, Metrics, and Documentation from the Command Line.....	50
Third-Party Tools.....	51
CodeSite.....	51
AQTime.....	54
FinalBuilder.....	55
<b>Chapter 3: Compiler and RTL.....</b>	<b>59</b>
The Delphi Compiler.....	60
Different Defaults, Different Result.....	60
No More String Checks.....	60
New Alignments.....	61
RTTI and Virtual Methods Interceptors.....	62
The Run Time Library.....	66
Dates and Files.....	67
Splitting Strings.....	68
Command Line Parsing.....	68
GUID Helper.....	69

Number of CPU Cores.....	70
Binary Reader and Writer.....	70
Regular Expressions.....	73
A Regular Expressions Primer.....	73
Regular Expressions in Delphi XE.....	75
The RegExPrimer Example.....	76
Threading and Synchronization.....	80
Anonymous Threads.....	80
Waiting, While Keeping Busy.....	84
Using a SpinWait.....	86
A Thread-Safe Queue.....	88
<b>Chapter 4: XE Libraries.....</b>	<b>91</b>
Minor VCL Changes.....	91
JSON Processing.....	92
JSON Parsing Cleaned Up.....	92
Google Translate Revisited.....	94
JSON and Tables.....	96
JSON Marshaling.....	97
XML Processing.....	100
WebBroker and Indy Web Servers .....	102
Building a Sample Server.....	104
SOAP Improvements.....	109
Microsoft's Azure Native Support.....	109
Delphi XE Components for Azure.....	110
The Azure101 Demo.....	111
The Azure Publish and Consume Demo.....	116
Amazon Web Services and More.....	120
<b>Epilogue.....</b>	<b>123</b>
DataSnap White Papers.....	123
Everything XE Demo.....	124
More Books Coming.....	125
<b>Index.....</b>	<b>127</b>